

59. A method according to claim 58, further comprising communicating the one or more selected uplink beams to the base station transceiver.

60. A method according to claim 58, wherein the receivers correspond with at least one of the one or more uplink beams and wherein at least some of the uplink beams comprise signals transmitted by a mobile station.

61. A method according to claim 58, wherein switching to the selected uplink beam allows reception of a signal communicated in the selected uplink beam at a base station transceiver.

62. A method according to claim 60, wherein the signals transmitted by the mobile station comprise a burst in a random access channel.

63. A method according to claim 60, wherein the signals transmitted by the mobile station comprise a communication initiation request.

64. A method comprising:

receiving signals via one or more beams, wherein the signals received include a signal sequence;

correlating the signal sequence received with one or more known training sequences; and

selecting one or more of the one or more beams for communication.

65. A method according to claim 64, wherein selecting one or more beams for communication further comprises selecting one or more beams for communicating uplink signals.

66. A method according to claim 64, wherein selecting one or more beams for communication further comprises selecting one or more beams for communicating downlink signals.

67. A method comprising:

receiving signals via one or more beams, wherein the signals received include a signal sequence;

correlating the signal sequence received with one or more known training sequences; and

selecting one or more of the one or more beams for communication based at least in part on one or more parameters.

68. A method according to claim 67, wherein said selecting one or more beams for communication further comprises selecting one or more beams for communicating uplink signals.

69. A method according to claim 67, wherein said selecting one or more beams for communication further comprises selecting one or more beams for communicating downlink signals.

70. A method according to claim 67 wherein said correlating the signal sequence received with one or more known training sequences further comprises determining correlation quality of at least one or more beams.

71. A method according to claim 70, wherein correlation quality of at least one or more beams is a measure of the best, or nearly the best, correlation determined for that beam.

72. A method according to claim 67, further comprising: receiving signaling information; and

selecting one or more of the known training sequences based on the received signaling information; and

wherein said correlating the signal sequences received with one or more known training sequences further comprises correlating the signal sequence received with the selected one or more of the known training sequences.

73. A method according to claim 72, wherein the signaling information is received from a signaling information monitoring module.

74. A method according to claim 72, wherein the signaling information is received from an interface.

75. An apparatus, comprising:

a receiving system capable of receiving signals via one or more beams, wherein the signals received include a signal sequence;

a correlation circuit capable of correlating the signal sequence received with one or more known training sequences; and

a beam selection circuit capable of selecting one or more of the one or more beams for transmitting based at least in part on one or more parameters including the correlation quality.

76. An apparatus according to claim 75, wherein the one or more parameters further comprises the signal strength of at least some of the one or more beams.

77. An apparatus according to claim 75, wherein the beam selection module is capable of determining a quality factor for at least some of the one or more beams.

78. A method comprising:

receiving signals via one or more beams;

selecting from the one or more beams a first beam for communicating uplink signals; and

selecting from the one or more beams a second beam for communicating downlink signals wherein the first beam and second beam are different beams.

79. An apparatus comprising:

a receiving system capable of receiving signals via one or more beams; and

a processing system capable of:

selecting from the one or more beams a first beam for communicating uplink signals; and

selecting from the one or more beams a second beam for communicating downlink signals wherein the first beam and second beam are different beams.

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